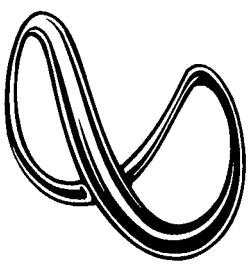


Infinity®

COMPOSITIONS

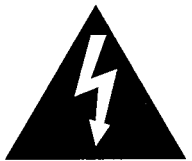
4-Way Full-Range Left and Right Speakers
Model P-FR

Owner's Manual

IMPORTANT!

Compositions P-FR speakers are heavy (80 pounds each) and, therefore, we recommend using two people to unpack the boxes. Please follow the remaining unpacking instructions as shown in Figures 1 through 6 (on pages 1 through 4).

This product contains electronic circuitry with dangerous voltages that may present a risk of electric shock. For detailed safety information, please read and understand all instructions described on page 16.



INTRODUCTION

INTEGRATED SUBWOOFER...

Infinity Compositions P-FR speakers are a pair of advanced 4-way full-range speaker arrays with integrated 12-inch powered subwoofers. Housed in slender mirror-imaged columns, these highly-efficient speakers eliminate the need for separate subwoofers and require only minimal power to produce sound levels greater than those heard in a movie theater. Although Compositions P-FR are designed specifically for reproduction of front left and right home-theater channels, you'll find they also provide the highest musical fulfillment when listening to CDs, LPs, or tapes.

FOR HOME THEATER OR MUSIC...

ABOUT THIS MANUAL...

To start enjoying your Compositions P-FR speakers, first read and then perform the remaining unpacking instructions below. Maximum performance is dependent on following all instructions listed in this manual, as well as those found in the owner's manuals of associated components in your home theater system. Save these instructions for future reference. These speakers are covered by a limited five-year warranty, so save the bill of sale to protect your purchase and aid in any service-related questions.

This symbol alerts you to important operational and maintenance instructions in this manual (see page 16).

This symbol signifies the presence of dangerous voltages within the unit (see page 16).

UNPACKING THE SPEAKERS

Finish unpacking the right speaker box (see Figures 1 through 6 on next three pages) and then unpack the left speaker box. If you suspect damage from transit, report it immediately to your dealer and/or delivery service. Keep the shipping cartons and packing materials for future use. Open the accessory pack (in the right speaker box) and verify the following contents:

PARTS LIST...

- (4) Foot Covers
- (8) Glides (1/4" x 20, 1" long)
- (16) Locking Nuts (1/4" x 20)
- (8) Spikes (1/4" x 20, 1 1/2" long)
- Wrench
- (2) Spare 3A-250V Fuses
- Owner's Manual and Warranty Card

You may also need the following tools and supplies:

TOOLS AND SUPPLIES...

- High-quality speaker wire
- Wire strippers
- (4) Banana plugs or spade terminals (optional)
- Level (optional for adjusting glides)

Figure 1. Open the accessory pack (contained in the right speaker box) and verify its contents against list on page 1.

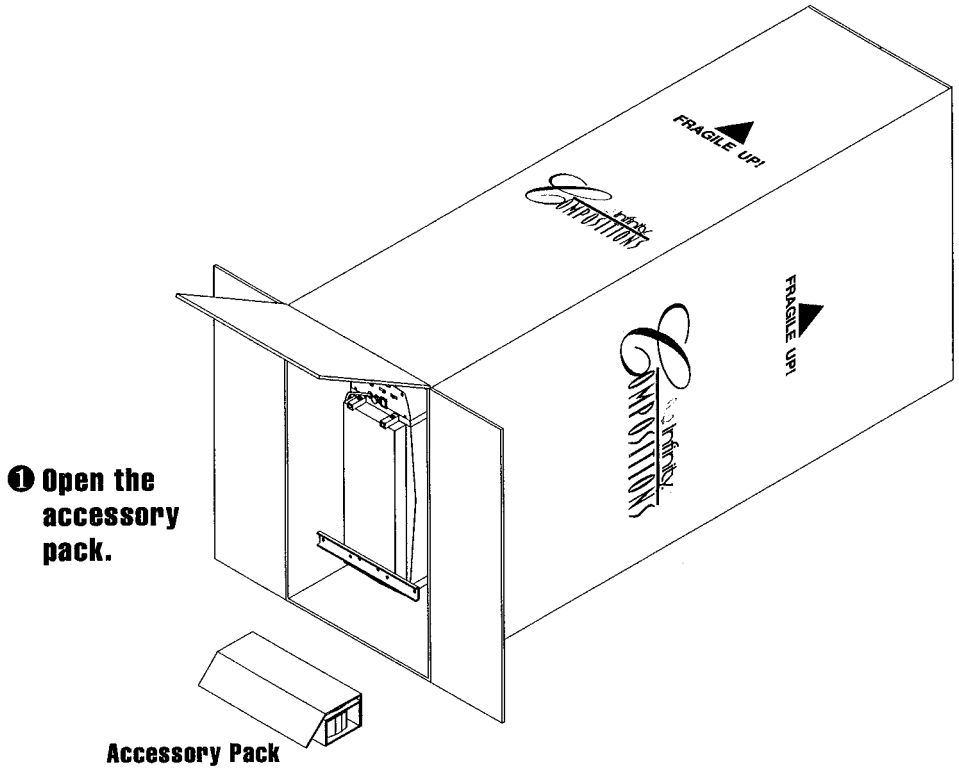


Figure 2. Inserting the glides.

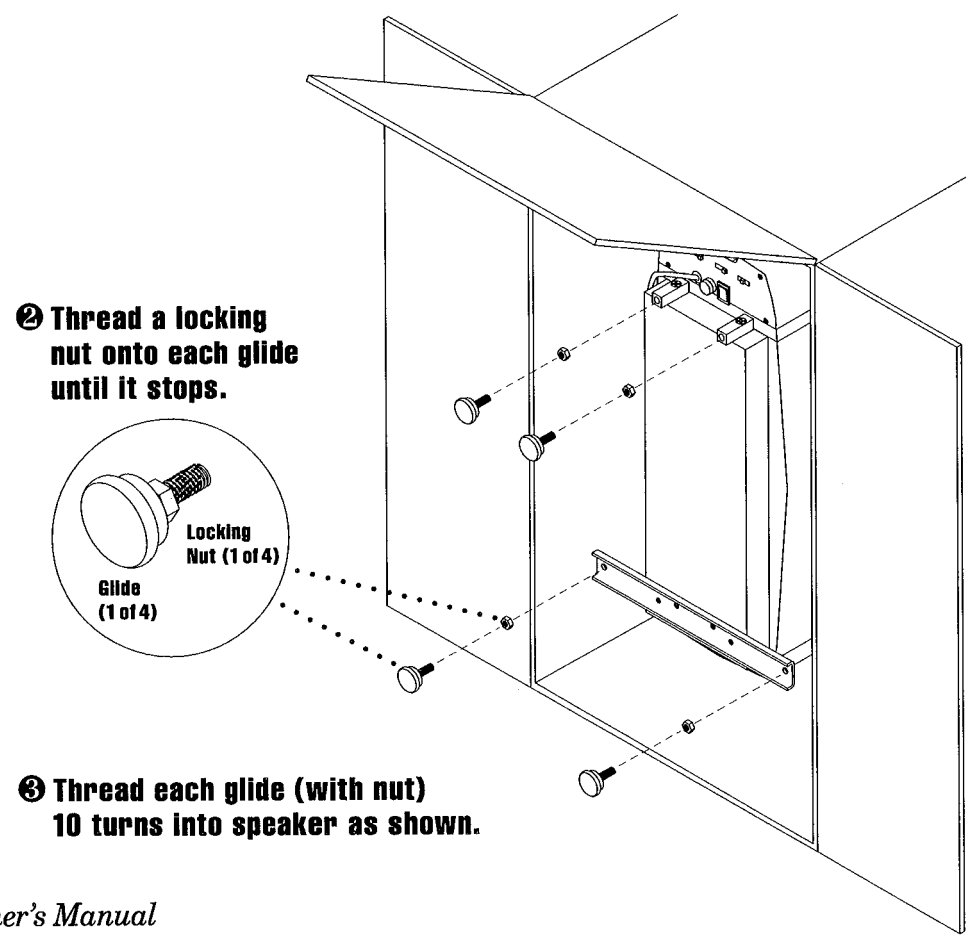

❷ Thread a locking nut onto each glide until it stops.
Locking Nut (1 of 4)
Glide (1 of 4)
❸ Thread each glide (with nut) 10 turns into speaker as shown.

Figure 3. Removing the box. Remember to use a carpeted surface to keep the speaker from sliding.

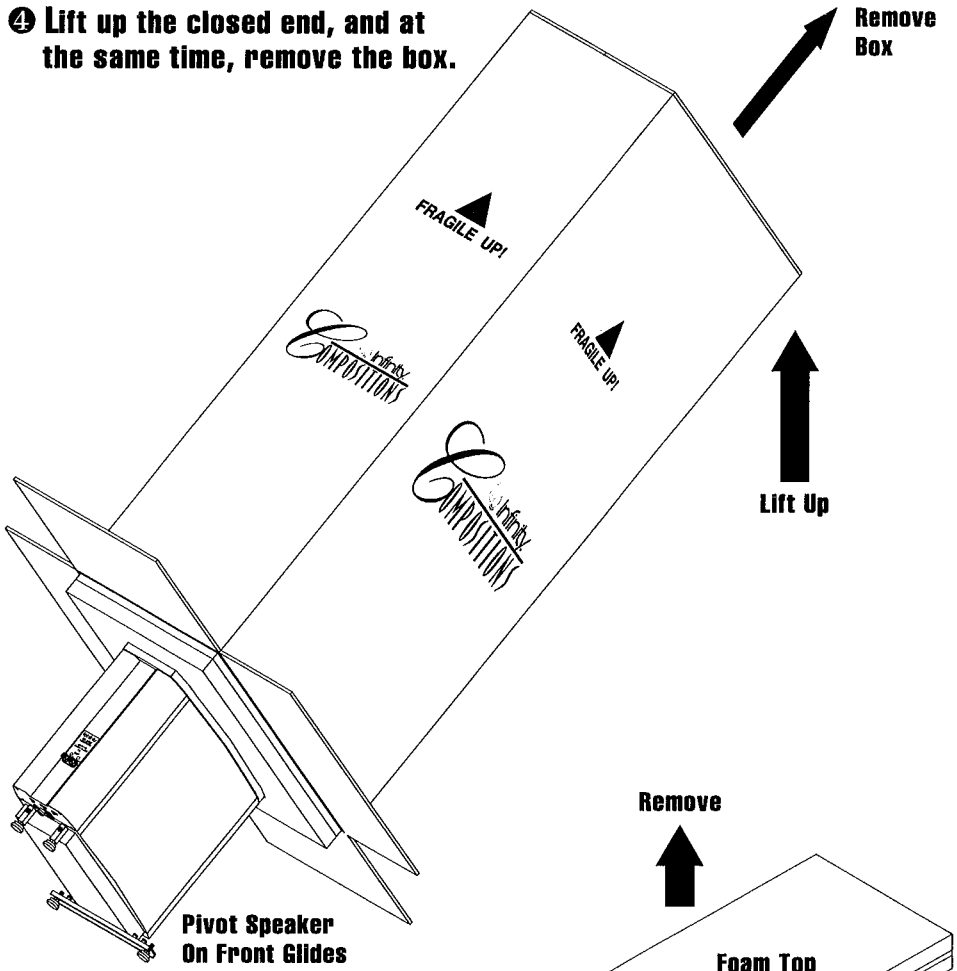

❹ Lift up the closed end, and at the same time, remove the box.
Remove Box
FRAGILE UP!
FRAGILE UP!
Lift Up
Pivot Speaker On Front Glides

Figure 4. Removing the foam pieces and cardboard support column.

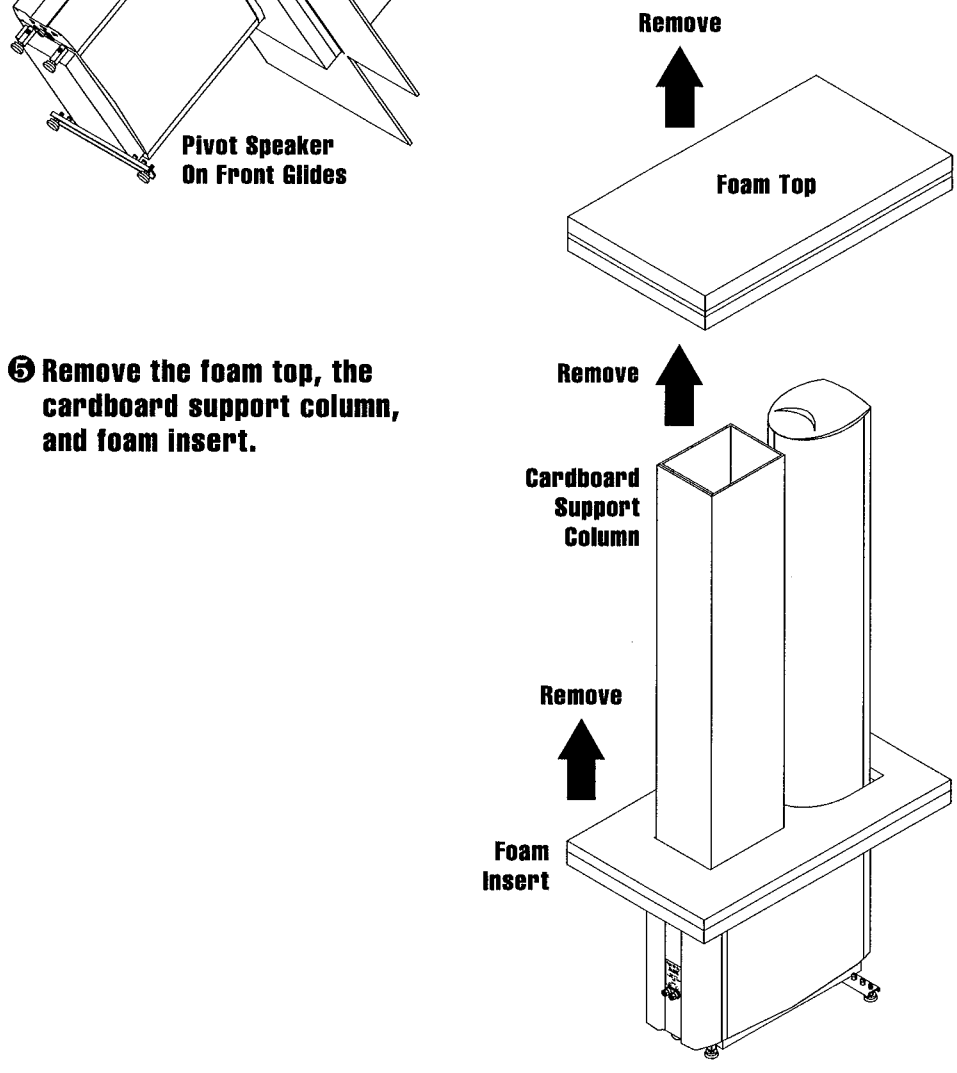


Figure 5. Tilting the speaker to move to a new location

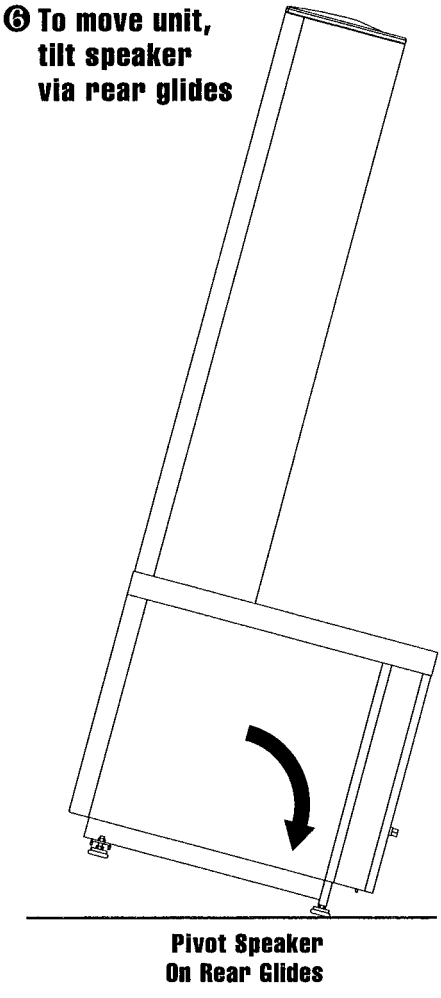
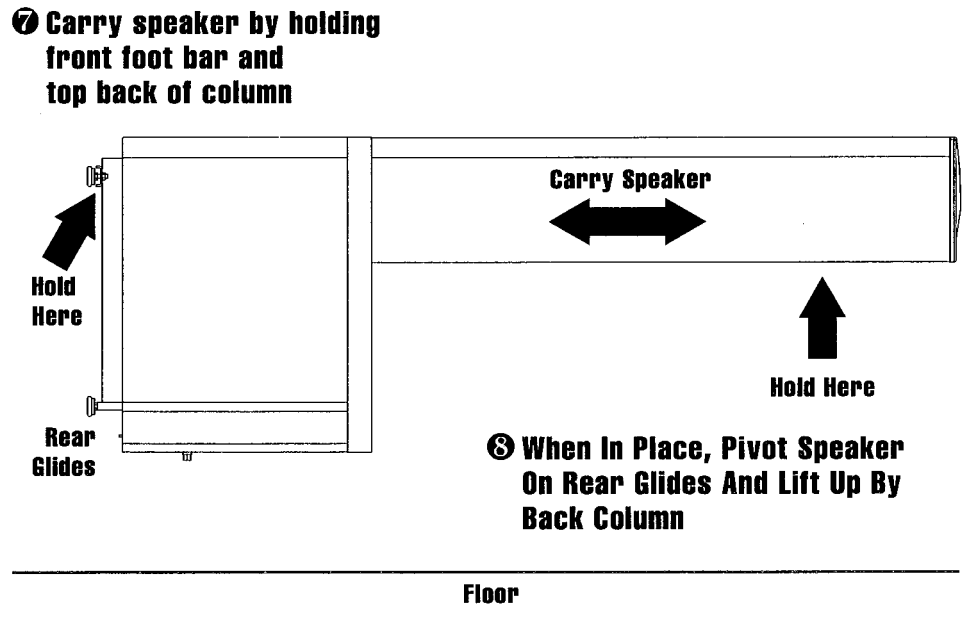


Figure 6. Carrying the speaker to a new location.

DO NOT PICK UP OR CARRY THE SPEAKER BY ITS FRONT GRILLE!


❼ Carry speaker by holding front foot bar and top back of column
Carry Speaker
Hold Here
Hold Here
Rear Glides
❽ When In Place, Pivot Speaker On Rear Glides And Lift Up By Back Column
Floor

PLANNING YOUR SYSTEM

To help plan your home theater system, we've included two system applications, as shown in Figures 7 and 8. The first one represents a typical living room where the home theater system is the main focus. In the second application (on the next page), the furniture is arranged for fireplace viewing and the entertainment center is in a corner. At this point, don't worry about exact placement or leveling the glides.

SPEAKER PLACEMENT...

Place the speakers equally apart on either side of the television. For best results, try not to have the speakers further apart than the distance to the listening area (e.g., typically 6' to 10'). Since the speakers are magnetically shielded, you can set them in very close without worrying about the field distorting the TV picture.

Make sure the speaker marked left is on the left side (facing you), and the speaker marked right is on the right side. The speakers should not be angled, but should directly fire towards the listening area. When viewed from the front, the right speaker's subwoofer will fire to the right and the left speaker's subwoofer will fire to the left (see Figure 7).

REVERSING SPEAKERS...

In applications where the side walls are very close to the speakers (i.e., 3" to 6"), we recommend reversing the placement, so that the speakers' subwoofers will fire inward toward the television.

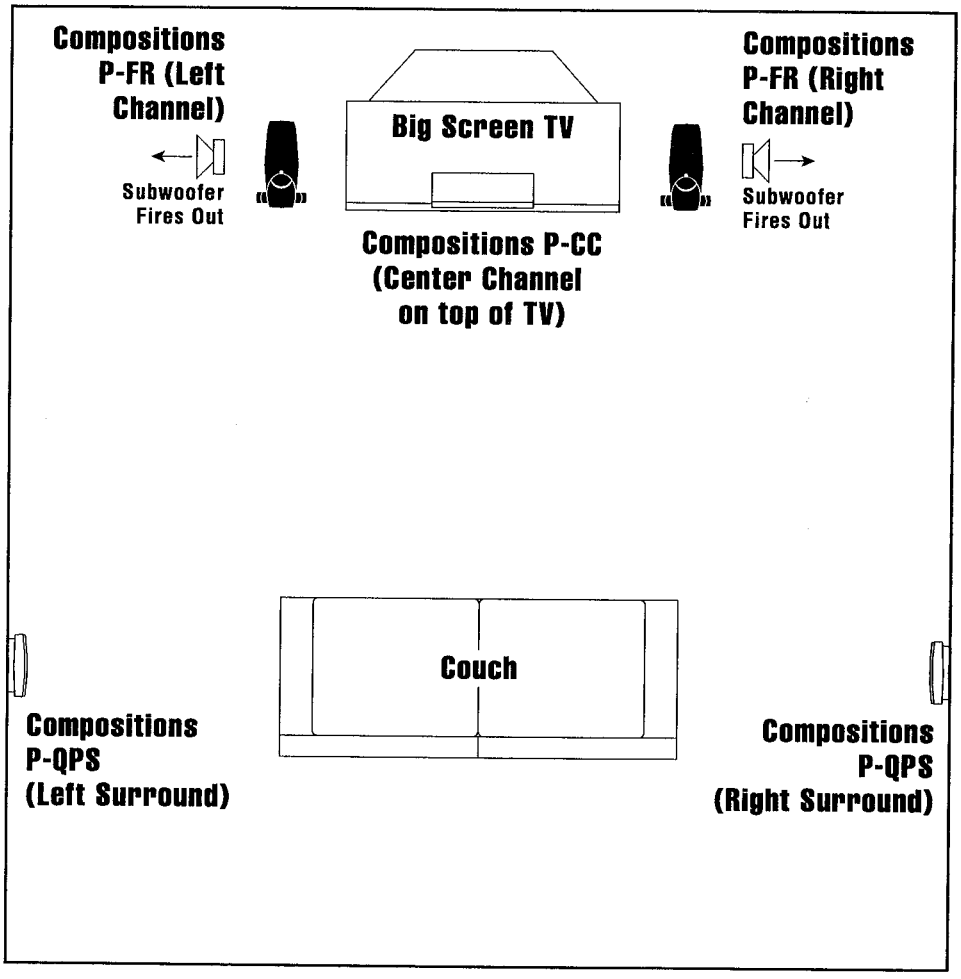
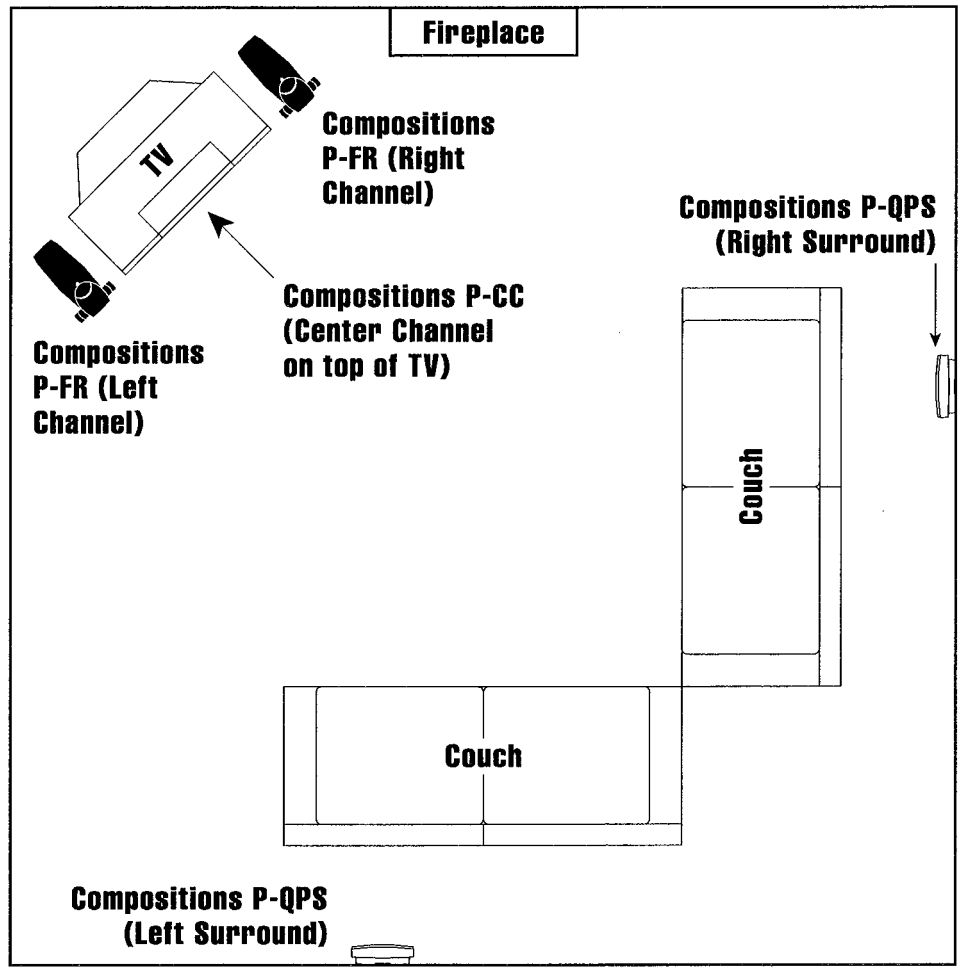


Figure 7. This overhead view shows a typical home theater plan. The Compositions P-FR speakers are on either side of the television with subwoofers firing towards the walls.

Figure 8. This layout is often preferred when a fireplace is the centerpiece of the room.



WIRING THE SYSTEM

After initially placing the speakers, you are ready to connect your system. First turn off all audio system power. Use high-quality speaker wire to make your connections, as shown in the wiring diagram (on the next page). Consult the owner's manuals that were included with your amplifier, receiver, or television to confirm connection procedures.

IMPORTANT!

On your Dolby Pro Logic preamplifier or A/V receiver, set the center-channel mode to NORMAL. This will route the low frequencies (below 100 Hz) away from the center-channel speaker to the front left and right speakers.

Compositions P-FR speakers have gold-plated terminals that accept a variety of wire connectors. Observe polarities when making speaker connections, as shown in Figures 9 (below) and 10 (on the next page).

These full-range speakers have integrated powered 12" subwoofers and only require one set of output leads for the left and right channels. Connect each + terminal on the back of the amplifier, receiver, or television to the respective + (red) terminal on each Compositions P-FR speaker. Similarly, connect the (black) terminals in the same way.

IMPORTANT!

Do not reverse polarities (i.e., + to - or - to +) when making connections. Doing so will cause poor imaging and diminished bass response.

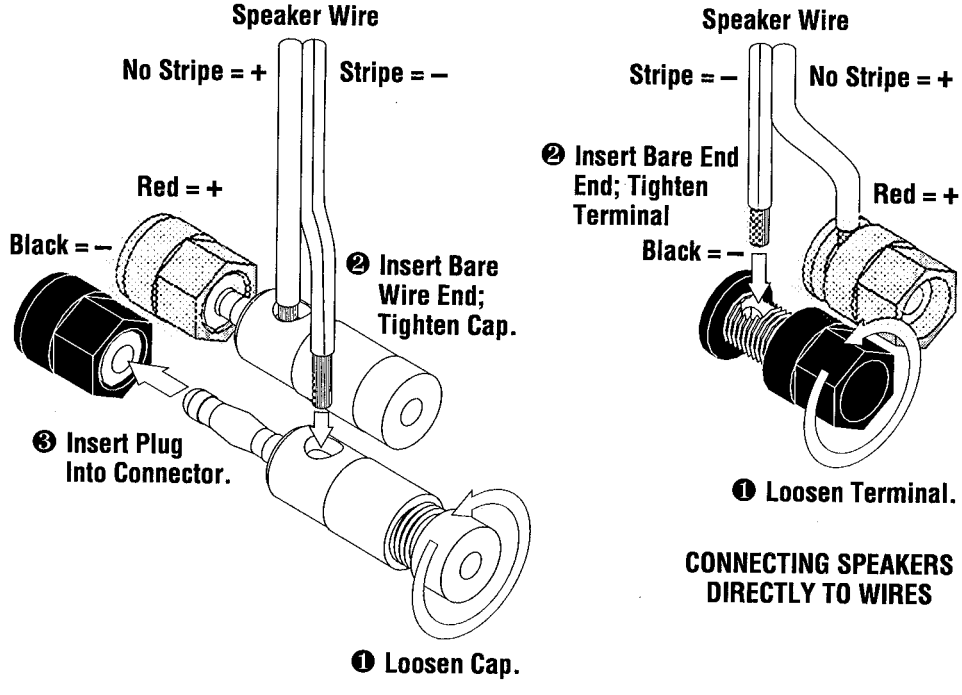


Figure 9. Compositions P-FR speakers feature gold-plated terminals that can be connected in several different ways; e.g., banana plugs, spade terminals (not shown), and direct wiring.

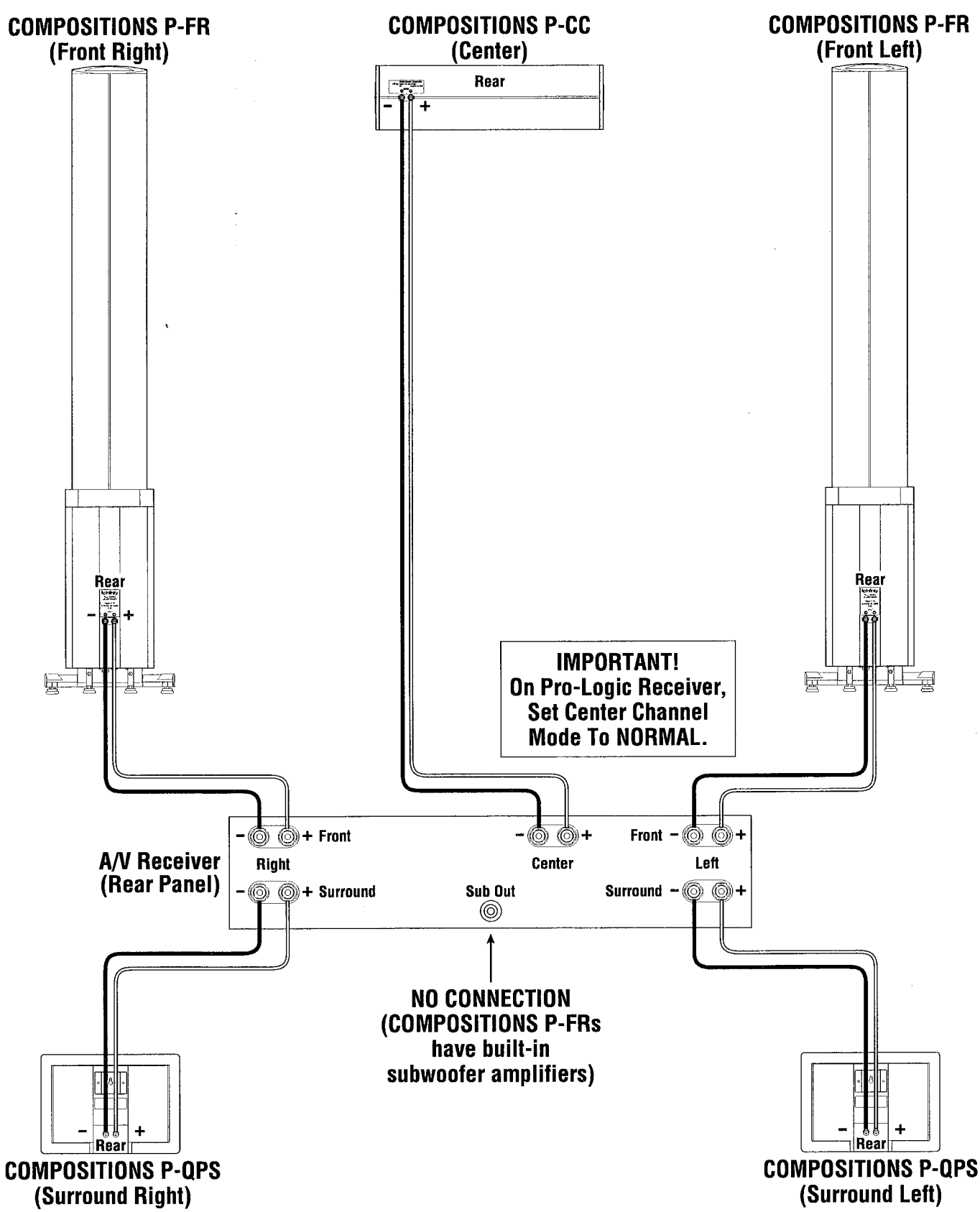


Figure 10. Wiring diagram shows connections for a typical home theater system.

OPERATING THE SYSTEM

Each Compositions P-FR speaker contains a built-in power amplifier that drives the subwoofer and only requires connection of the ac power cord. Subwoofer amplifier controls are preset at the factory for normal operation. For a description of the factory-preset controls and optional adjustments, refer to *Subwoofer Amplifier Controls* on page 11.

POWER ON...

1. After speaker wiring has been completed, connect each speaker's ac power cord to the nearest ac receptacle. You should see an LED illuminate (on the front of each speaker), indicating the amplifier is on. If not, make sure the POWER switch is ON (see Figure 13 on page 11, or refer to *Troubleshooting* on page 12).

CHECKING PLAYBACK...

2. Check the speakers for playback by first setting the system volume control for a minimum level, and then applying power to your audio system. Play a favorite music or video segment and increase the system volume control to a comfortable level.

   NOTE: You should hear balanced audio reproduction across the entire frequency spectrum. If not, check all wiring connections and refer to the Troubleshooting section on page 12 for more help.

JUDGING BASS LEVEL...

3. Listen to a variety of music selections and note the bass level. If you feel there is too much bass, you can reduce it in two increments by sliding the BASS switch from its preset MAX setting (see page 11).

   NOTE: The amount of bass you hear will be affected by a number of different factors, including the room's size and shape, the construction materials used to build the room, the listener's position relative to the speakers, and the position of the speakers in the room. If there is too much bass, move the speakers away from nearby walls. Conversely, if you want more bass, place the speakers closer to the walls.

DOLBY PRO-LOGIC...

4. Once you've confirmed the speakers are operating correctly, refer to the manual packed with your Dolby Pro-Logic Surround receiver or preamplifier to perform a system balance test using pink-noise.

5. Make final placement adjustments and level the glides using the procedure shown in Figure 11 (on the next page).

   NOTE: If you prefer using spikes, see Figure 12 on the next page.

Figure 11. Adust the front glides so each speaker is level, lock them in place, and clip on the foot covers.

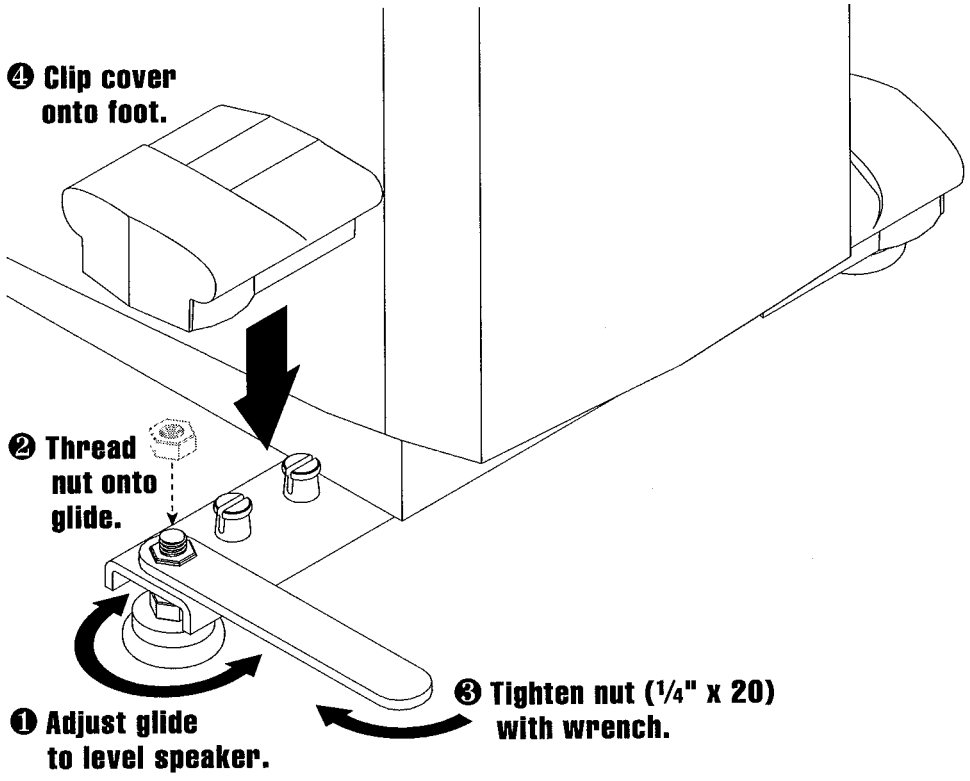
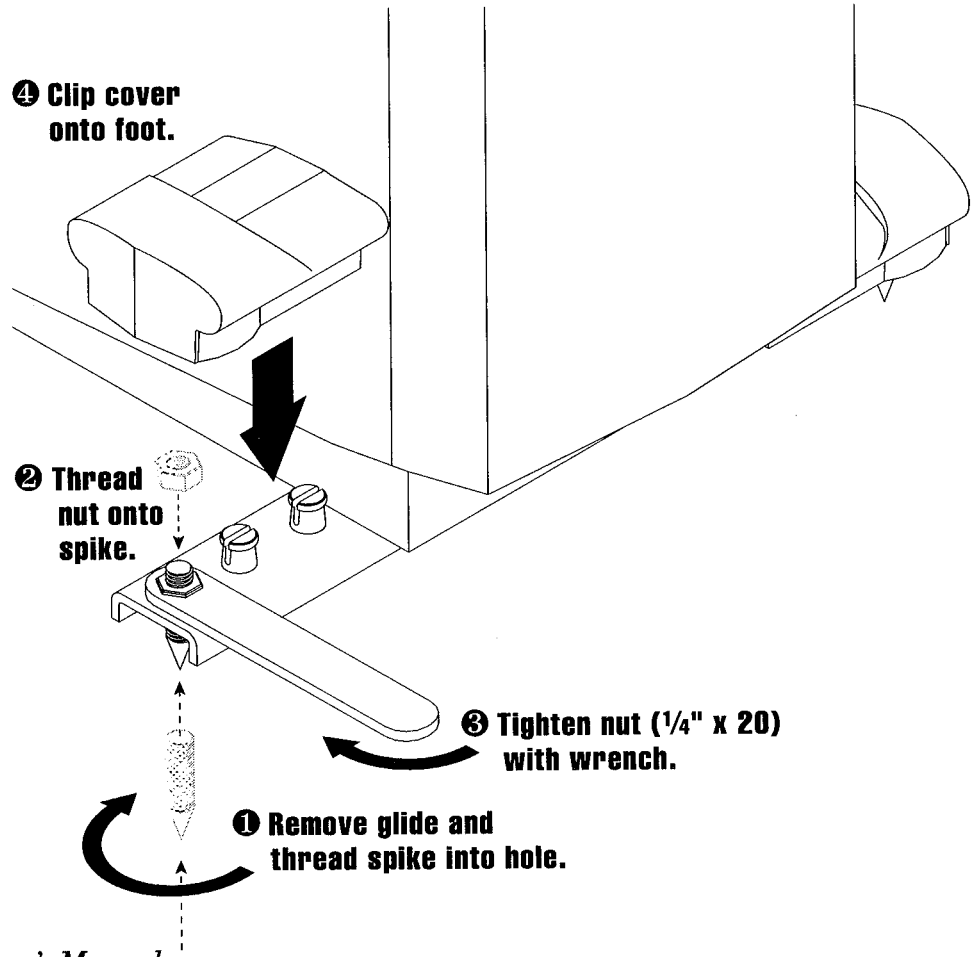


Figure 12. (Optional) On heavy carpeting, the enclosed spikes may be used in place of glides.



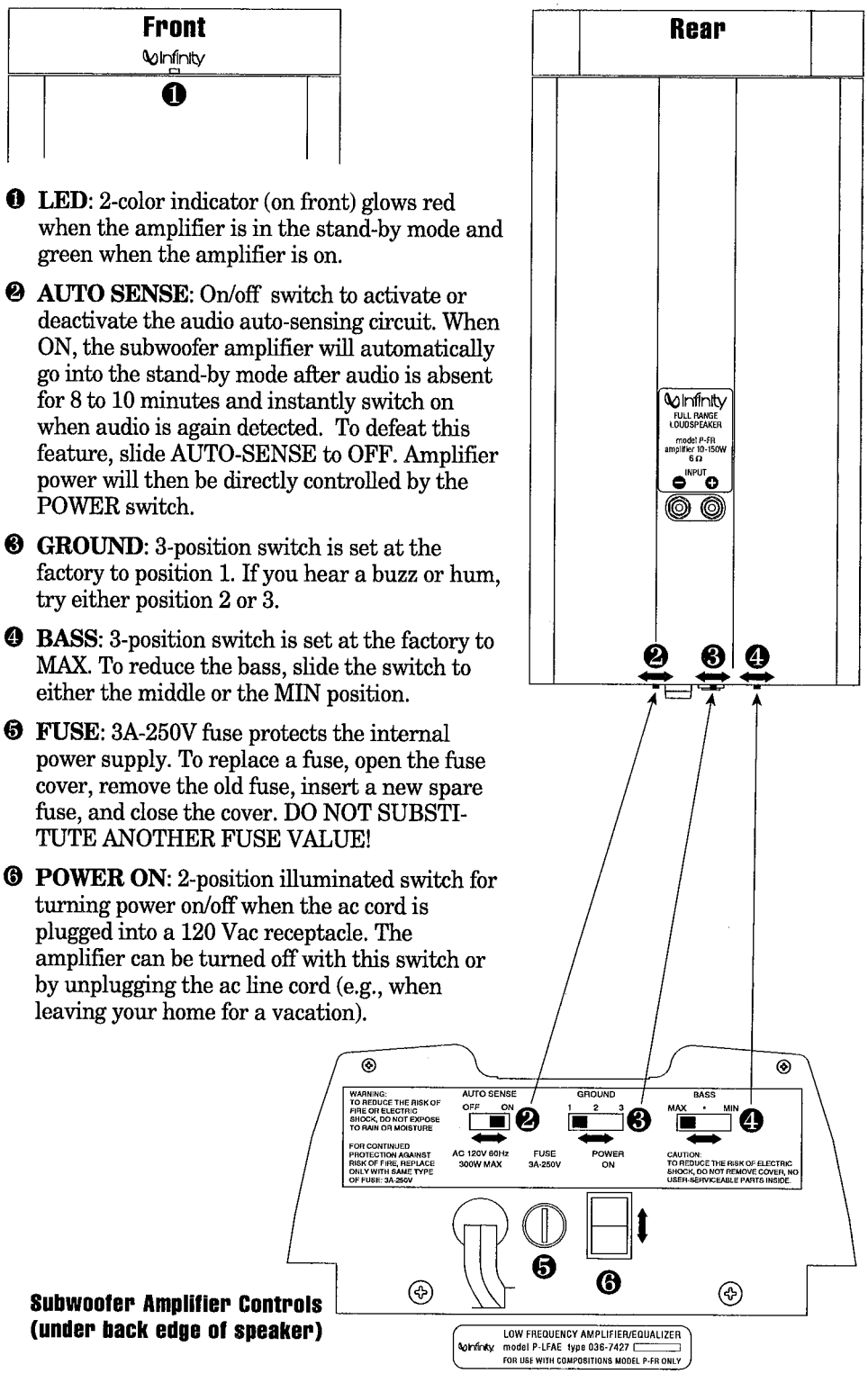
SUBWOOFER AMPLIFIER CONTROLS

Compositions P-FR speakers have built-in subwoofer amplifiers that are equipped with simple slide switches preset at the factory. If you want to adjust any of them, refer to Figure 13 for their location and description.

IMPORTANT!

YOU DO NOT NEED TO LIFT THE BACK OF THE SPEAKER! To adjust a control, slip your hand under the back edge of the speaker and slide the switch.

Figure 13. Subwoofer amplifier controls.



Subwoofer Amplifier Controls (under back edge of speaker)

❶ **LED**: 2-color indicator (on front) glows red when the amplifier is in the stand-by mode and green when the amplifier is on.

❷ **AUTO SENSE**: On/off switch to activate or deactivate the audio auto-sensing circuit. When ON, the subwoofer amplifier will automatically go into the stand-by mode after audio is absent for 8 to 10 minutes and instantly switch on when audio is again detected. To defeat this feature, slide AUTO-SENSE to OFF. Amplifier power will then be directly controlled by the POWER switch.

❸ **GROUND**: 3-position switch is set at the factory to position 1. If you hear a buzz or hum, try either position 2 or 3.

❹ **BASS**: 3-position switch is set at the factory to MAX. To reduce the bass, slide the switch to either the middle or the MIN position.

❺ **FUSE**: 3A-250V fuse protects the internal power supply. To replace a fuse, open the fuse cover, remove the old fuse, insert a new spare fuse, and close the cover. DO NOT SUBSTITUTE ANOTHER FUSE VALUE!

❻ **POWER ON**: 2-position illuminated switch for turning power on/off when the ac cord is plugged into a 120 Vac receptacle. The amplifier can be turned off with this switch or by unplugging the ac line cord (e.g., when leaving your home for a vacation).

Care Of Your Speaker System

Each Compositions P-FR cabinet is finished in a soft-touch charcoal-grey paint and does not require any routine maintenance. When needed, use a soft cloth, dampened with water only, to remove any fingerprints or to wipe off dust. DO NOT USE ANY CLEANING PRODUCTS OR POLISHES. Clean the grille by gentle vacuuming.

Troubleshooting

Symptom	Cause	Solution
Bass is too loud	Bass reinforcement in room	Move speakers away from walls
		Slide BASS switch to 2 or 3 to reduce bass (see page 11)
Bass sounds distorted	Subwoofer amplifier has reached maximum output	Turn down volume control on receiver or preamplifier
	Receiver tone controls are set too high	Set bass and treble flat; use controls sparingly
	Receiver clips when using high-level inputs	Lower receiver level
Distortion with volume control near minimum	Defective receiver or preamplifier; shorted speaker wires	Repair defective receiver or preamplifier
Distortion on music peaks or sound effects (e.g., pops or rapping noise)	Dynamic soundtrack (e.g., explosions) causes subwoofer to "bottom" out	Turn down master volume control to lower overall range
	Tone controls are set too high	Set bass and treble flat; use controls sparingly
Buzz, hum, or crackle when connecting wires	Connecting wires with power on causes transient signal spikes	Connect wires only when audio system power is off
Buzz or hum when amplifier is on	Grounding problem or ground loop	Slide GROUND switch to 2 or 3 (see page 11)
No sound from subwoofer	Power switch is set to OFF	Slide POWER switch to ON (see page 11)
	Blown fuse	Check or replace fuse (see page 11)

SPECIFICATIONS

PERFORMANCE DATA

Frequency Range:	25 ~ 20,000 Hz (–6 dB @ 25 Hz) 35 ~ 20,000 Hz (± 2 dB)
Sensitivity:	96 dB @ 2.83 V and 1 m (anechoic conditions)
Impedance:	6 Ω
Maximum Peak Output:	118 dB (spl on program)
Amplifier Requirements:	Recommended for use with amplifiers 10 ~ 150W (@ 8 Ω)

DRIVE UNITS

Low Frequency:	1 x 12" (300 mm) high-efficiency, long-throw, linear motor, magnetically shielded
Lower Mid:	4 x 5 ¼" (125 mm) high-efficiency, long-throw, magnetically shielded
Upper Mid:	2 x 4" (100 mm) high-efficiency, polypropylene diaphragm, magnetically shielded
High Frequency:	1 x 1" (25 mm) soft dome, high-efficiency, neodymium magnet, magnetically shielded, elliptical wave guide
Crossover Frequencies:	110, 350, 3,000 Hz

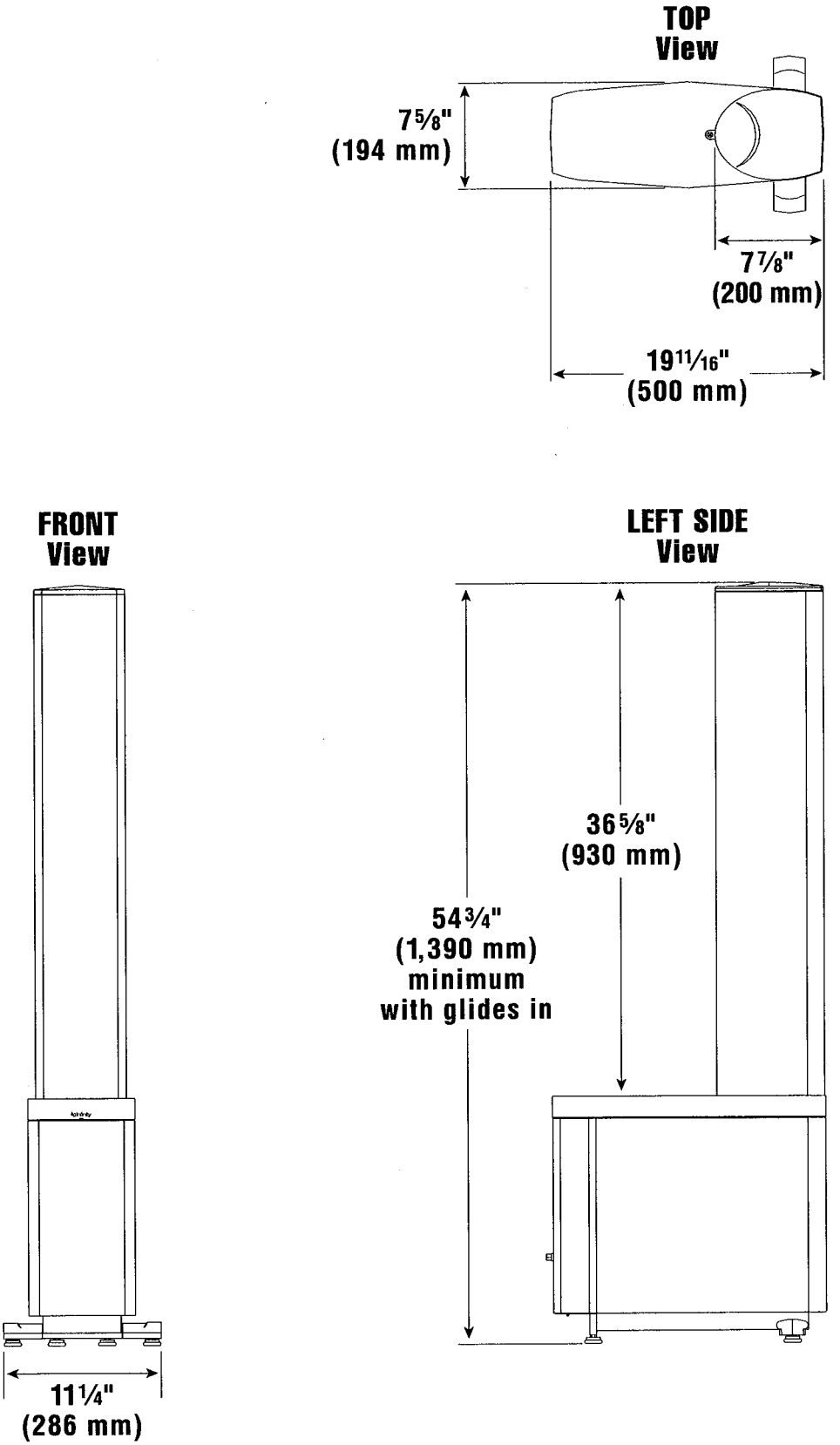
AMPLIFIER
(BUILT-IN POWER AMPLIFIER FOR LOW-FREQUENCY SECTION)

Peak Output:	350 VA
Power Supply:	120 V~ 60 Hz
Power Consumption:	300 W (maximum), 8 W (standby)

DIMENSIONS
(also see Figure 14 on the next page)

Width:	7 ⅝" or 194 mm (not including feet)
Height:	54 ¾" or 1,390 mm (minimum – glides in)
Depth:	19 ⅝" or 500 mm (maximum depth)
Weight:	78 lb or 34.5 kg (each)

Figure 14. Overall dimensions of the Compositions P-FR speaker.



LIMITED FIVE YEAR WARRANTY

Who is protected by the warranty?

Your Infinity warranty protects the original retail purchaser and all subsequent owners for a period of five (5) years (parts and labor) for all speaker components, and one (1) year (parts and labor) for all electronics, from any failure as a result of an original manufacturing defect so long as: (1) your Infinity loudspeakers were purchased within the fifty states of the U.S.A. or by military personnel from an authorized military outlet and (2) the original dated bill of sale is presented whenever service is required during the warranty period. This warranty does not apply to products purchased elsewhere; other purchasers should contact their local Infinity distributor for warranty information.

What does the Infinity warranty cover?

Except as specified below, this warranty covers all defects in original materials and workmanship. The following are not covered: damage caused by accident, misuse, abuse, neglect, product modification; damage occurring during shipment, damage caused by failure to follow instructions in the owner's manual, including failure to perform recommended periodic or routine maintenance; damage resulting from repairs by someone not authorized by Infinity; claims based upon any misrepresentations by the sellers; and any Infinity product on which the serial number has been altered, defaced or removed.

Who pays for what?

During the period of this warranty, subject to the above conditions, Infinity will pay all of the labor and material expenses to repair a warrantable defect.

How can warranty service be obtained?

In the event that your loudspeaker(s) should require service, you should first contact the Infinity dealer from whom the product was purchased or, if this is not practical, contact Customer Service in writing at:

Infinity Systems, Inc., 20630 Nordhoff Street, Chatsworth, CA 91311 USA

or by calling us at (818) 407-0228 (FAX: 818-709-9486)

We may direct you to an authorized service center for Infinity product or ask you to send them to us for repair. In either case you will have to present your original dated bill of sale to establish warranty coverage. Do not send your speaker(s) to us without prior authorization from our Customer Service department.

You are responsible for transporting your product to either Infinity or an authorized service center and for payment of all shipping charges; however, Infinity will pay the return shipping charges (in the event you return the product to us) if the repairs are covered by the warranty. If you experience difficulty in transporting your product or are in need of packing materials, please advise us and we may be able to suggest alternative procedures and/or adequate packaging materials.

LIMITATION OF IMPLIED WARRANTIES: All implied warranties, including fitness for a particular purpose and merchantability are limited in duration to the length of the warranty period for your product.

LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES: Infinity is not responsible for an incidental or consequential damage of any kind. Our liability is limited to the repair or replacement, at our option, of a defective product.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

NOTE: In the event that there is a difference between this warranty and the provisions in any advertisements, product brochure or packaging cartons, the terms of this warranty will prevail.

Infinity constantly strives to update and improve existing products, as well as create new ones. Therefore the specifications and construction details in this and related Infinity publications are subject to change without notice.

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Infinity is a registered trademark of Infinity Systems, Inc. Compositions is a trademark of Infinity Systems, Inc.

1) **Read Instructions** – All the safety and operating instructions should be read before the product is operated.

2) **Retain Instructions** – The safety and operating instructions should be retained for future reference.

3) **Heed Warnings** – All warnings on the product and in the operating instructions should be adhered to.

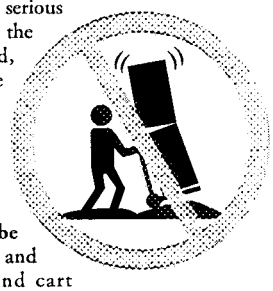
4) **Follow Instructions** – All operating and use instructions should be followed.

5) **Cleaning** – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
Exception: A product that is meant for uninterrupted service and that for some specific reason, such as the possibility of the loss of an authorization code for a CATV Converter, is not intended to be unplugged by the user for cleaning or any other purpose, may exclude the reference to unplugging the product in the product in the cleaning description otherwise required in above 5).

6) **Attachments** – Do not use attachments not recommended by the product manufacturer as they may cause hazards.

7) **Water and Moisture** – Do not use this product near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

8) **Accessories** – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.



9) **A product and cart combination should be moved with care.** Quick stop, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

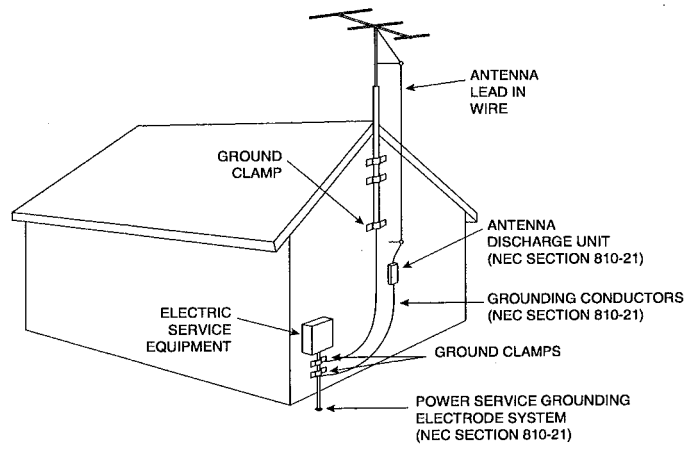
10) **Ventilation** – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11) **Power Sources** – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

12) **Grounding or Polarization** – This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

13) **Power-Cord Protection** – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

14) **Outdoor Antenna Grounding** – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size for grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See the following figure.



15) **Lightning** – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

16) **Power Lines** – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17) **Overloading** – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

18) **Object and Liquid Entry** – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

19) **Servicing** – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

20) **Damage Requiring Service** – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
a) When the power-supply cord or plug is damaged.
b) If liquid has been spilled, or objects have fallen into the product.
c) If the product has been exposed to rain or water.
d) If the product does not operated normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
e) If the product has been dropped or damaged in any way.
f) When the product exhibits a distinct change in performance – this indicated a need for service.

21) **Replacement Parts** – When replacement parks are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

22) **Safety Check** – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

23) **Wall or Ceiling Mounting** – The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

24) **Heat** – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.